

■ The single-phase UPS for critical applications



POWERTECH Industrial Corporations Clean Power Plus RT is a double-conversion online UPS that guarantees up to 10kVA of clean, reliable power for your critical single-phase applications. As well as maintaining power to your servers, point-of-sale terminals, workstation clusters, routers, switches, hubs and sensitive electronic equipment, the Clean Power Plus RT also conditions incoming power to eliminate spikes, swells, sags, noise and harmonics. The PowerValue11RT can be used as a standalone UPS device or installed into a standard 19" rack configuration, with connectivity options available for each. Two units of the 6 or 10kVA models can be configured in parallel to provide redundancy or to increase the systems total capacity up to 80kVA. All units can be fitted with up to four battery modules to extend runtime.

High reliability

- Reliable double conversion topology protects load from all input disturbances
- Batteries can be added or replaced easily
- Reduced recovery time from discharge
- Redundant parallel operation available (6 and 10kVA units)

Low cost of ownership

- Scalable runtime
- High operating efficiency, regardless of loading
- Reduced installation and upgrading costs
- Compact design

Flexible design

- Configurable in tower or rack-mount format • Rotatable display
- UPS can be connected with up to four parallel battery modules for extended runtime
- Long backup models available

Efficient service concept

- Manually operated maintenance bypass switch (optional)

- Easy set up and maintenance (plug and play)
- User-friendly display
- User-replaceable batteries
- Remote monitoring and connectivity options

The advanced system architecture guarantees that the user is able to select a system to match their needs. Scalable runtime and the easy introduction of additional batteries make the solution sustainable. In addition, eight Clean Power Plus RT 6 or 10kVA UPSs can be connected in parallel to increase total power or to add redundancy. The UPSs are delivered with an installed parallel board and paralleling cables. Parallel card hardware is required for a parallel installation.

UPS cabinet configuration

- Online double conversion UPS
- Efficiency in online mode up to 94.6%
- Efficiency in eco-mode up to 97%
- Configurable in tower format or rack-mount • Two 6kVA and 10kVA UPSs can be connected in parallel for redundancy or extra capacity
- Cold start
- Frequency converter operation (50Hz or 60Hz)
- Interfaces: USB, RS-232, potential-free contacts, EPO contact inputs
- Emergency power-off for remote shutdown
- Load segmentation (for PowerValue 11RT 1-3 kVA)

Options

- Rack installation kit allows for easy mounting to standard rack
- Software and connectivity options, including ModBus RS-485, ModBus TCP/IP, SNMP
- Maintenance bypass PDU 16A (for PowerValue11RT 1–3kVA)



Clean POWER Plus RT Series (6-10) Kva UPS

MODEL	CPPRT6S CPPRT6L	CPPRT10S CPPRT10L
<i>Capacity</i>	6kVA	10kVA
<i>Input voltage range</i>	110VAC-288VAC	
	100% load@>176VAC; 80% load@>154VAC 70% load@>132VAC; 50% load@>110VAC	
<i>Input frequency</i>	40-70Hz	
<i>Input PF</i>	0.99	
<i>Voltage Regulation</i>	±1 %	
<i>Output Frequency</i>	50Hz	
<i>Output PF</i>	0.9	
<i>Overload capability (Inverter mode)</i>	110%: to bypass after 10 min;130%: to bypass after 1min;150%: to bypass after 30 sec, Shutdown after 1min	
<i>Crest Ratio</i>	3:1	
<i>Efficiency</i>	95%	
<i>Display</i>	LED+LCD	
<i>Battery voltage</i>	192VDC	
<i>Battery type/Number</i>	12V,7Ah*16	12V,9Ah*16
	External	
<i>Interface</i>	RS232,SNMP	
<i>Optional</i>	USB, SNMP, Dry Contactor	USB, SNMP, ECO Kit, Dry Contactor,, Battery Cabinet
<i>Operation Temperature</i>	0-40°C	
<i>Relative Humidity</i>	0-95%(non-condensing)	
<i>W*D*H (mm)</i>	438*680*218	438*680*218
	438*680*130	438*680*130
<i>Net Weight (Kg)</i>	62	70.5
	18.5	21.5